

Title (en)  
ELECTROMAGNETIC WAVE DETECTION MODULE, ELECTROMAGNETIC WAVE DETECTION MODULE ROW, AND NONDESTRUCTIVE INSPECTION DEVICE

Title (de)  
MODUL ZUR DETEKTION ELEKTROMAGNETISCHER WELLEN, MODULREIHE ZUR DETEKTION ELEKTROMAGNETISCHER WELLEN UND ZERSTÖRUNGSFREIE PRÜFVORRICHTUNG

Title (fr)  
MODULE DE DÉTECTION D'ONDES ÉLECTROMAGNÉTIQUES, RANGÉE DE MODULES DE DÉTECTION D'ONDES ÉLECTROMAGNÉTIQUES ET DISPOSITIF D'INSPECTION NON DESTRUCTIVE

Publication  
**EP 3702745 A1 20200902 (EN)**

Application  
**EP 17929779 A 20171024**

Priority  
JP 2017038376 W 20171024

Abstract (en)  
The present invention provides an electromagnetic wave detection module in which wiring is formed to connect each detection element of an electromagnetic wave detection means configured by arranging a plurality of detection elements for detecting an electromagnetic wave in a two-dimensional array and a predetermined connection destination outside the electromagnetic wave detection means with good manufacturability and so as not to cause trouble in the detection of an electromagnetic wave as much as possible. A detection element group consisting of M detection elements (M is an integer of 2 or more) arranged in the Y-axis direction is arranged in N rows (N is an integer of 2 or more) in the X-axis direction orthogonal to the Y-axis direction, and MxN wirings electrically connecting each of the MxN detection elements and a predetermined connection destination outside any one end of the electromagnetic wave detection means in the Y-axis direction are provided on the common substrate surface.

IPC 8 full level  
**G01J 1/44** (2006.01); **G01J 1/02** (2006.01); **G01J 1/42** (2006.01); **G01T 7/00** (2006.01); **H01L 31/02** (2006.01)

CPC (source: EP US)  
**G01J 1/4228** (2013.01 - EP); **G01J 1/44** (2013.01 - EP); **G01T 1/16** (2013.01 - US); **G01T 1/243** (2013.01 - EP); **G01T 1/2985** (2013.01 - US); **G01V 5/22** (2024.01 - EP); **H01L 27/14605** (2013.01 - EP); **H01L 27/14658** (2013.01 - EP); **H01L 27/14661** (2013.01 - US); **H01L 27/14676** (2013.01 - EP)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**US 2020241150 A1 20200730**; CN 111263882 A 20200609; CN 111263882 B 20230714; EP 3702745 A1 20200902; EP 3702745 A4 20210901; JP 6454820 B1 20190116; JP WO2019082276 A1 20191121; WO 2019082276 A1 20190502

DOCDB simple family (application)  
**US 201716756843 A 20171024**; CN 201780096236 A 20171024; EP 17929779 A 20171024; JP 2017038376 W 20171024; JP 2018508774 A 20171024